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APPLICANT : NIPPON ELECTRIC GLASS CO LTD;

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TITLE : GLASS PRODUCT HAVING ELECTRICALLY CONDUCTIVE SURFACE AND HIGH EMISSIVITY

ABSTRACT : PURPOSE: To enhance the electrical conductivity of the surface of a glass product and the emissivity of the product by forming an electrically conductive transparent film of indium tin oxide having prescribed surface resistance and prescribed perpendicular emissivity on sheet glass.

CONSTITUTION: An electrically conductive transparent film is formed on sheet glass of 0.05-1mm thickness to obtain a glass product having an electrically conductive surface and high emissivity and used as the cover glass of a solar cell. The electrically conductive transparent film is made of indium tin oxide and has 0.5-200k Ω /surface resistance and ≥ 0.75 perpendicular emissivity.

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